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VOL. I, PP. 1-12.

SEPTEMBER 15, 1903.

INVERTEBRATA PACIFICA

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HOMOPTERA

ON THE GNATHODUS SPECIES OF THE ABDOM- INALIS GROUP.

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Gnathodus abdominalis is one of the commonest species of the group in the United States, being especially well distributed in the southern two-thirds of this area. It is the type form of a group of the old genus in which the head is as wide or wider than the pronotum, and the ocelli approach very closely to the eyes. These characters give it an aspect very different from that of the original type of *Gnathodus*.

I propose to here separate *abdominalis* as the type of a new genus—*Eugnathodus*. In western Nevada I found a new *Eugnathodus*, differing remarkably from *abdominalis* in that the vertex was considerably produced. In western Nicaragua I found the genus well represented, while extensive collecting failed to turn up a single true *Gnathodus*. The genitalia are very similar in all the species, in the female the hind margin of last ventral segment being simply truncate, so far as observed.

Genus *Eugnathodus*.

SYNOPSIS OF SPECIES.

- (a) Vertex strongly produced at middle; color pale olive, the head fuscous and the elytra whitish translucent; length 3 mm. Mountains bordering Lake Tahoe in Nevada NEVADENSIS n. sp.



(aa) Vertex about as long or shorter at middle than at eyes.

(b) Propleura behind eye so narrow that hind margin almost touches eye; body small, short, and thick set; color opaque yellowish throughout; length 2.5 mm, Managua, Nicaragua FLAVESCENS n. sp.

(bb) Propleura behind eye broad, of the *abdominalis* type.

(c) Head and prothorax sordid whitish or yellowish, or if greenish then with dark dots; anterior margin of prothorax broadly evenly rounded.

(d) Head and pronotum usually more or less fuscous tinted, and with more or less distinct fuscous markings.

(e) Pronotum sordid greenish with numerous dark vermiculate dots; elytra whitish translucent, the tip including appendix and apical cells obliquely smoky; length 3 mm. Managua, Nicaragua VERMICULATUS n. sp.

(ee) Pronotum sordid whitish with more or less well defined longitudinal bands; elytra translucent whitish; head fulvous tinted with more or less distinct darker markings.

(f) Length 3-3.5 mm. United States to Nicaragua ABDOMINALIS Van D.

(ff) Length 4-4.25 mm. San Marcos, Nicaragua . ABDOMINALIS, var. MAGNUS n. var.

(dd) Head and pronotum sordid whitish or greenish and entirely without fuscous markings.

(e) Size very small; elytra nearly translucent; length 2.5 mm. Managua, Nicaragua DELICATUS n. sp.

(ee) Size medium, length 3.5 mm., head and pronotum yellowish white; elytra translucent milky white. Managua, Nicaragua LACTEUS n. sp.

(cc) Head and pronotum pale green, the former slightly pointed and decidedly tumid; elytra nearly decolored, all translucent and apparently minutely roughened except two inner apical cells which are clear. Length 2.75 mm. Champerico, Guatemala TUMIDUS n. sp.